1. Which, if any, of the following 3 code fragments are equivalent? Explain why they are different, if they are. Explain why they can have different parameters and be equivalent, if they are equivalent.

//code fragment 1

$("li").each(function (idx, e) {

$(e).css("color", "yellow");

});

// code fragment 2

$("li").each(function () {

$(this).css("color", "yellow");

});

// //code fragment 3

$("li").each(function (idx) {

$(this).css("color", "yellow");

});

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Answer:

All of them are equivalent.

The number of parameters on the callback back function is provided to the developer to use in different scenarios.

For example:

if we want to make some logic based on the current iteration index, we can use index parameter. Basically $(this) and $(e) are the same.

That means, the callback is fired in the context of the current DOM element, so the keyword this refers to the element.

2. Write a jQuery expression to find all divs on a page that include an unordered list in them, and make their text color be blue.

<div>no ul here </div>

<div>

This does contain a ul.

<ul>

<li>the first item</li>

<li>the second item</li>

</ul>

</div>

<script>

<!—INSERT YOUR JQUERY CODE HERE - - >

</script>

</body>

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Answer:

$("div:has(ul)").css("color","blue");

3. Write jQuery code to append the following div element (and all of its contents) dynamically to the body element.

<div><h1>JQuery Core</h1></div>

HTML:

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<title>JS Bin</title>

</head>

<body>

</body>

</html>

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Answer:

$("body").append('<div><h1>JQuery Core</h1></div>');